

C-A MAINTENANCE, MODIFICATIONS, AND REPAIRS SCHEDULE

RESULTS

R. Zaharatos – May 16, 2000 Rev. 3

Maintenance Period - Begin, May 18, 2000 0530hrs.

End: May 18, 2000 1800hrs.

Actual End: May 18, 2000 2000hrs.

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|-----------------------|------------|--|
| Machine Areas Access: | RHIC | Remote Controlled Access(10&11 Restricted) |
| | RHIC IR's | Restricted Access |
| | Booster | Controlled Access |
| | AGS | Controlled Access - North Gate |
| | ATR/U Line | Controlled Access |

PRIMARY JOBS

JOBS STATUS CODE: **C** complete **IP** in-process **RS** reschedule **CAN** cancelled

RHIC

- C** 1. Yellow Ring - correct all sextupole connections(PS Grp)
- RS** 2. Air-conditioning systems - 1002A tunnel High Bay(replace compressor) - McKay
- C** 3. Pass - test UPS's for sectors 4 and 8.
- C** 4. Pass - test/repair exhaust fan interlocks at 8XEF1. .
- C** 5. Pass - test/repair gate at 3GI1.
- C** 6. Blue Abort Kicker - repair PFN(Pulsed Pwr. Grp)
- C** 7. Repair 50 amp Corrector P.S.'s - B07-TH6, BI4-TV10, BI8-TH9(PS Grp)
- C** 8. 1006B and 1008B - check all P.S. ac line connections(PS Grp)
- C** 9. 1006B and 1008B - check operation of off switches on Blue P.S.'s.(PS Grp)
- C** 10. Check operation of Blue Injection Kicker P.S..(Pulsed Pwr. Grp)
- IP** 11. Polarimeter(sect. 12) - test motor drives.(Inst)
- C** 12. Inspect operation of air-conditioner condensate pump in 1003C Alcove.(McKay)
(condensate pump replaced)
- C** 13. Install electrical safety mats in sector 11.(Benante)
- C** 14. Sector 11 - Insulate cryo sections ice build-up.(Weigand)
- C** 15. Replace Lancaste Either Net Module in each alcove.(Gould, F. Naase)
- C** 16. Investigate PFN fault on Blue Main Mag. P.S..
- C** 17. Vacuum - Repair sector 9 valve
Repair/replace sector 5 turbo - **results**, added another turbo
Verify TSB's operation in sectors 2, 6, 8, and 10.
Diagnose cold cathode gauge problems for future repairs
Replace Fore Pump in sect. 7
Compressed air - isolate X & Y Tunnel air from RHIC Hse air(rerouted to 1000P compressor)
- C** 18. Repairs/patching of roofs at 1002, 6, 8, and 1012.
- C** 19. Repair/replace electric door strike at VPGE1.

RHIC IR'S

- C** 1. STAR - SVT RDO installation and End Cap closure(8hrs - Restricted Access)
- RS** 2. STAR air-conditioning - 1006(replacement compressor ordered)-McKay
- C** (replaced Fan D)
- C** 3. PHENIX - multiple tasks(Restricted Access required)

AGS RING EQUIPMENT

- C** 1. A20 Flying Wire – check ground on PMT(Inst) - (added foil)
- C** 2. RF JK - replace feedback ampl.. Measure length of feedback cable to Bldg. 929 with TDR(RF Grp)
- IP** 3. Change Vertical Tune Meter Kicker back to an AC Dipole.(Pulsed Pwr.) - ring end connected, P.S. needs to be installed at Bldg. 929
- C** 4. C5 IPM - Check/repair seal on vacuum controlled leak.(Inst) - adjusted
- C** 5. Ring systems inspection.(RZ)
- C** 6. C14 Sump 3/4 full, remove 200-400 gals..
- C** 7. RF KL - replace Feedback Ampl..
- C** 8. Vacuum P.S. controls - investigate Datacon DNA's

AGS EXTERNAL EQUIPMENT

- C** 1. J10 Beam Dump - reroute existing interlock cable.(J13 Hse.) - (PS Grp)
- C** 2. L20 Septum - inspect/ replace P.S. hose fittings. Also inspect other selected equipment hose fittings of the Pulsed Quad Water System.(MS Grp)
- C** 3. Siemen's Motor/Generator - inspect/clean brushes(PS)
- C** 4. Tower 1 - cleaning(4hrs. down) - (MS Grp)
- C** 5. Controls(930A) - Check/repair CDC.BCOR.ORB_CD and CDC.BCOR.ORB_BC.
- C** 6. Controls(911A) - Install F/O module for beam sync links and install V124's in CFE-911-RES for beam sync links scope triggers
- C** 7. Linac - Replace PS connectors in Timeline Monitor chassis

BOOSTER RING EQUIPMENT

No Job Requests

BOOSTER EXTERNAL EQUIPMENT

No Job Requests

ATR Line

- C** 1. Replace bag filter for upstream mags.(Tower 1) - (FES)
- C** 2. Check operation of WGE2 Gate.

SEB and SWITCH YD

- RS** 1. Pass - recertify Switchyard and SEB Primary Gates.

SCHEDULE

| | | |
|--------|------|--|
| 18 May | 0530 | Shutdown period begins All equipment set to off as required. Siemen's Generator off(coast down) for maintenance. All Tower 1 equipment must be turned off for Tower cleaning. |
| | 0600 | Begin cleaning of Tower 1 AGS Ring controlled access LOTO |
| | 0700 | HP survey of RHIC Tunnel as required. |
| | 0800 | RHIC entries begin(Remote Controlled Access) AGS Ring HP surveys. |
| | 0830 | AGS Ring entries for scheduled jobs. |
| | 1300 | Secure AGS - prepare for Booster/AGS turn-on for beam |
| | 1600 | Secure RHIC for beam turn-on. |
| | 1800 | RHIC beam turn-on. |